

Mediasite

recorder hardware guide

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Mediasite RL Recorder Hardware Guide

The Mediasite RL Recorder records Mediasite presentations consisting of audio, video, and slides. With the Recorder, you can temporarily store presentations, edit video, and publish a presentation to the Mediasite Server, to a folder, or to a CD-ROM.

This booklet describes the RL Recorder package contents and important safety instructions for your Recorder.

Refer to the Mediasite Recorder Software Guide for information on setting up the Mediasite Recorder, connecting the Recorder to your Mediasite Server, recording, and publishing presentations.

Caution:

Read the safety instructions for your Recorder before using system.

Included equipment

The following equipment is included with the RL Recorder. Please verify all equipment is present. Contact your technical support representative at 877-783-7987 if anything is missing.

- RL Recorder
- Rack mounts and screws
- Power cord
- Osprey breakout cable
- BNC adapter for breakout cable
- DVI/VGA adapter

Important Safety Instructions

1. Read and keep these instructions.
2. Pay attention to all warnings.
3. Follow all instructions.
4. Do not use this apparatus near water.
5. Clean only with dry cloth.
6. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators or other apparatus that produce heat.
8. Equipment must be grounded using an appropriate power cord.
9. Protect the power cord from being walked on or pinched particularly at plugs.
10. Only use attachments and/or accessories specified by manufacturer.

11. Unplug the apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified personnel. Servicing is required when the apparatus does not operate normally or has been damaged in any way as a result of the following: liquid spilling or objects falling on the apparatus, the apparatus being exposed to rain or moisture, apparatus being dropped.
13. If the system is installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than the room ambient. Consideration should be given to installing the unit in an environment compatible with the maximum recommended ambient temperature of 40°C.
14. Install the unit in a rack so that the amount of airflow required for safe operation is not compromised. The recommended clearance on the front and rear of the unit is at least 1" (inch).
15. Mounting of the unit in a rack should be such that no hazardous condition is achieved due to uneven mechanical loading.
16. Reliable earth grounding of rack-mount equipment should be maintained. Particular attention should be given to supply connection other than direct connections to the branch circuit (e.g. use of power strips).
17. Ensure that the supply circuit is sufficiently rated for voltage, current, and frequency printed on the input ratings plate. Insure that the total load of all units supplied by the circuit does not exceed the rating of the circuit breaker or wiring.

Warning:

To prevent fire or shock hazard do not expose the unit to rain or moisture. Dangerously high voltages are present inside the unit. Do not open the unit. Refer servicing to qualified personnel only.

Instructions De Sécurité Importantes

1. Lire les instructions suivantes
2. Conserver ces instructions.
3. Tout avertissement doit être pris compte
4. Respecter les instructions à la lettre.
5. Ne pas utiliser cet appareil près de sources d'eau.

6. Nettoyer uniquement avec un torchon sec.
7. Installer selon le mode d'emploi fourni par la chaîne de production.
8. Ne pas installer près de sources de chaleur; c'est-à-dire radiateurs ou appareils produisant de la chaleur.
9. L'équipement doit être mis à terre en utilisant un câble approprié.
10. Protéger les câbles principaux de tout danger d'être écrasé ou trop serré; en particulier au niveau des fiches, des douilles murales et de la prise de courant par laquelle ils sortent de l'appareil.
11. N'utiliser que les accessoires spécifiés par la chaîne de production.
12. Débrancher l'appareil en cas d'orage ou pendant de longues périodes où il n'est pas utilisé.
13. Se référer à un personnel qualifié pour toute révision de l'appareil.
Une révision de l'appareil est nécessaire si celui-ci a été endommagé: liquide répandu ou objets tombés à l'intérieur de l'appareil, si l'appareil a été mis au contact de la pluie ou exposé à l'humidité, ou s'il ne fonctionne pas normalement ou a été renversé.

Attention:

Pour éviter tout risque de feu ou de décharge électrique, ne pas exposer l'appareil à la pluie ou à l'humidité. Haute tensions dangereuses présentes à l'intérieur de l'appareil. Ne pas ouvrir l'appareil. En cas de réparation, uniquement se référer à un personnel qualifié.



Lithium Battery Safety Statement



Caution:

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. (English)

Attention:

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usées conformément aux instructions du fabricant. (French)

Forsigtig:

Indeholder lithiumbatterier. Risiko for eksplosion, hvis batteriet udskiftes forkert. Må kun udskiftes med samme eller tilsvarende type, som anbefalet af fabrikanten. (DK)

Varoitus:

Tämä tuote käyttää laservaloa. Skannerissa on jokin seuraavista tarroista. Lue Huomio-kohta. (Finnish)

Vorsicht:

Enthält Lithium-Batterie. Bei unsachgemäßem Ersatz besteht Explosionsgefahr. Nur durch gleichen oder vom Hersteller empfohlenen Typ ersetzen. (DE)

Attenzione:

Batteria al litio. Pericolo di esplosione qualora la batteria venga sostituita in maniera scorretta. Sostituire solo con lo stesso tipo o equivalente consigliato per il fabbricante. (Italian)

Atenção:

Contém pilha de lítio. Há perigo de explosão no caso de uma substituição incorreta. Substitua somente pelo mesmo tipo, ou equivalente, recomendado pelo fabricante. (Portuguese)

Varning:

Innehåller litiumbatteri. Fara för explosion om batteriet är felaktigt placerat eller av fel typ. Använd endast samma eller motsvarande typ batterier rekommenderade av tillverkaren. (Swedish)

Advarsel:

Innmontert Lithium batteri. Eksplosjonsfare ved feil montering av batteri. Benytt kun batteri anbefalt av produsent. (Norwegian)

Cuidado:

Pila de litio adentro. Peligro de explosión si la pila se reemplaza incorrectamente. Reemplace solamente con el mismo tipo o equivalente recomendado por el fabricante. (Spanish)

Oppassen:

Bevat Lithium-batterij. Incorrecte plaatsing van batterij kan leiden tot explosiegevaar. Alleen vervangen door hetzelfde of door fabrikant aanbevolen gelijkwaardig type. (Dutch)

Προσοχή:

Υπάρχει μπαταρία από λίθιο εσωτερικά.
Υπάρχει κίνδυνος έκρηξης εάν η μπαταρία
αντικατασταθεί με λανθασμένο τρόπο.
Αντικαταστήστε μόνο με τον ίδιο ή
ισοδύναμο τύπο που συνιστάται από τον
κατασκευαστή. (Greek)

警告:

この製品はレーザー光線を使用します。
次のラベルのうち1つがスキャナーに
貼られています。注意事項をお読みください。(Japanese)

警告:

本产品使用激光。下列一个标签将随扫描仪一道提供。
请阅读“当心”一栏的内容。(Chinese)

경고:

본 제품은 레이저 광선을 사용합니다.
다음 라벨 중 하나가 스캐너에
제공됩니다. 주의 사항을 읽어 주십시오.(Korean)

Dikkat:

İçinde lityum bataryası bulunur.
Bataryanın yanlış değiştirilmesi patlama
tehlikesi yaratır.
Aynısıyla veya üreticinin önerdiği
eşdeğer tipte değiştirin. (Turkish)

RL Recorder Technical Specifications

Physical and environmental specifications

Physical Characteristics

Weight	6.088 kg
Dimensions (HxWxD)	86.36 mm x 434.34 mm x 325.12 mm
Ventilation Openings	Rear side provided with 8 circular openings, measuring 9.5 mm diameter. Sides provided with array of small circular openings measuring 4.0 mm diameter. No openings in bottom or top. No openings within 5° projection of hazardous voltage or energy

Environmental Characteristics

Operating Temperature	0 to 40° C
Storage Conditions	-20 to 70° C
Humidity	30-50% non-condensing
Electrical Rating	100 – 240 V, 3 A, 60-50 Hz

Components specifications

Component	Specification
Power Supply	Power Supply –QQGQ2, Sparkle Power Int'l Ltd., Model SPI350PFB, Input Rating: 100 – 240 V, 10 A, 60-50 Hz, Output Rating: +3.3Vdc, 28A; +5Vdc, 30A; +12Vdc, 15A; -5 Vdc, 0.3A; -12 Vdc, 0.8A; +5Vsb, 2A; 180W maximum output with +3.3V and +5V; 300 W maximum output on +3.3 Vdc, +5 Vdc, and +12 Vdc combined.
Power Supply Cord	Detachable Power Supply Cord, AC – Not Shown, Type: SVT or SJT, 1.5-4.5 meters long, No. 18/3 AWG
Cage Cooling Fan	One provided – GPWV2, Delta Electronics, AFB0812VHB or equivalent. (Rated 12 Vdc, 0.14 A)
Output Rating	+3.3Vdc, 28A; +5Vdc, 30A; +12Vdc, 15A; -5 Vdc, 0.3A; -12 Vdc, 0.8A; +5Vsb, 2A; 180W maximum output with +3.3V and +5V; 300 W maximum output on +3.3 Vdc, +5 Vdc, and +12 Vdc combined.
CPU Cooler	Consists of: Heatsink, metallic with fins, measures approximately 90 x 85 x 35 mm Cooling Fan – GPWV2, Dynatron P555, rated 12 Vdc, 0.32 A

Component	Specification
CDRW/DVD Drive	NWGQ2, Rated 5.0 Vdc, 1.8A, Laser Class I. (Pioneer Corporation, model DVR-K06R6)
Hard Drive	NWGQ2, Rated 5 Vdc, 0.92 A, 12 Vdc, 0.9 A. (Seagate, Barracuda 7200.10)
PCI Video Card	NWGQ, Viewcast Corp., model OSPREY 230
Decorative Front Plastic	QMFZ2, Cyro Inc., Acrylite FF, rated HB

Motherboard specifications

Component	Specification
PTC Overcurrent Protection Device (F1, F3, F4, F5, F6)	XGPU2, Tyco Electronics Corp., Model miniSMDC160 or Polytronics Technology Corp., Model SMD1812P160TS.(rated hold 1.6 A, rated trip 3.2 A) Alternate – Same as above except XGPU2, rated hold 1.6 A, rated trip 3.2 A
PTC Overcurrent Protection Device (F2, F7)	XGPU2, Tyco Electronics Corp., Model miniSMDC050 or Polytronics Technology Corp., Model SMD1812P050TS, rated hold 0.5 A, rated trip 1 A Alternate – Same as above except XGPU2, rated hold 0.5 A, rated trip 1 A.
Surface Mount Fuse	JDYX2, Tyco Electronics Corp., Model 0603SFF500F/32, rated 32 Vdc, 5 A. Resistor R1 is removed and replaced with this fuse
Lithium Battery	BBCV2, Rated 3 Vdc, maximum reverse charging current 5 mA, suitable for operator replacement. (Varta Microbattery GMBH, Model CR2032 or Matsushita, Model CR2032, or Sony, Model CR2032.) Protected by 47 k Ω resistor R443 and diode D15

VersaVisual[®] capture card basic specifications

Board Format	PCI Express Rev. 1.0a compliant, 4 Lanes 2 GBytes per second maximum data transfer rate Low-profile, half-height form-factor Includes Scatter/Gather DMA info system memory for maximum data throughput
Connectors	DVI -I connector with both digital and analog video output
Maximum Sample Rate	170 Mpixels per second
Video Sampling	24 bits per pixel/8:8:8 format
Video Capture Memory	48 Mbytes

RL Recorder Technical Specifications

Pixel Display Formats	555, 565, or 888 pixels
Update Rate	User defined, up to 15 updates per second
Video Format Options	RGB plus HSync and VSync (5 wire) RGB with Sync on Green (3 wire) RGB with Composite Sync (4 wire) Digital Video (DVI) Single-Link
Dimensions	16.7cm x 6.35cm